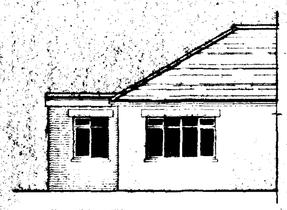
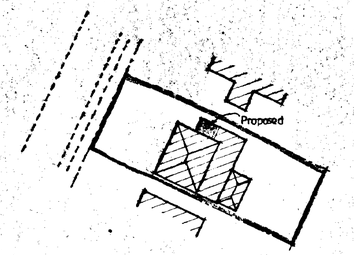


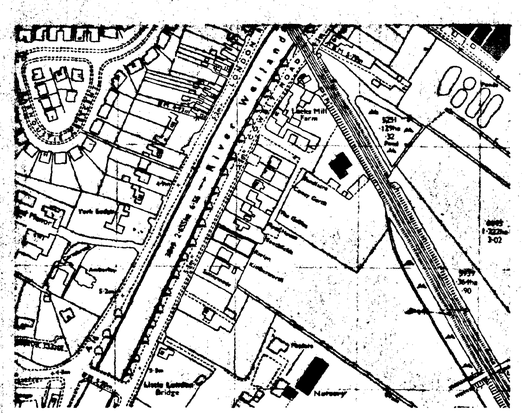
SIDE ELEVATION



FRONT ELEVATION



BLOCK PLAN 1:500



LOCATION PLAN 1:2500

N

CEILINGS.
12.7mm Gyproc "Wallboard" plasterboard 5mm skim finish. Provide min. 9.5 x 38 noggins to all plasterboard edges. All joints to be taped and filled.

WALLING.
265 cavity walling to consist of Class brickwork to B.S. 3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks. 65 cavity build into cavity Rockwool cavity wall batts insulation boarding in accord. with makers instructions and approved cert.' No.89/1087. 100mm Tarmac Hemelite solid insulation blocks or similar. Cavity walls tied together using galvanised iron bonds bent set 900 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 900 vertical centres at all unbonded closures of cavity. Close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to C.P. 121. External walls to have max. "U" value of 0.45 W/ m2 deg. C.: All to receive 10mm S/ C render and 5mm skim To perimeter of walling provide cranked ventilators at 1.0m c/ c.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to B.S. 6073 pt.1 1978: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level. Weak mix concrete infill to base of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

GROUND FLOOR CONSTRUCTION.
25mm T&G. flooring grade softwood boarding on 47 x 195 SC5 grade joists at 400c/ c. 50 x 5 galv. steel strutter and lateral restraint straps to joist at max. 1.5m c/ c straps to be run over min. 5No. joists with solid bridging beneath. Provide herring bone struttins min. 38 x 38 at mid span of joists where span exceeds 2.5m. Provide 100mm Jablite 50 between joists. At level shown on section provide 50mm SC5 grade concrete over site on 1200g polythene membrane.

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows: Under 265 cavity walls provide 225 x 700 dp CEM mix to B.S. 5928: pt 1991. All foundations taken down to base on load bearing strata min. depth of 600 to top of foundations: should unsuitable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level

LINTELS.
All lintels to be manufactured by Nitrowx. U.G. and to be installed in accordance with makers' instructions, and to have min. end bearings of 150mm and at external positions to have cavity tray D.P.C. to C.P. 121. Internal lintels to be U.G. 100 Plus type. Lintels in openings to be underlined with 12.7 fireline board or reverse 12mm render and skim. Provide Perp-end weep holes and dispersals to cavity tray.

SURFACE WATER DRAINAGE.
115 dia. half round rainwater gutters to 69 dia. rainwater pipes 82.4 dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soakaway min. 5.0m to edge from dwelling.

GLAZING.
Double glazed propertis throughout (minimum 12mm air spp to all units) . All glazing between F.F.L. and 800mm high and between F.F.L. and 1500mm high in doors and side lights to be safety glass to B.S. 6206. All windows/ doors to be draught sealed.

VENTILATION.
All windows to have openable lights to give min equivalent of 1/ 20th the floor areas. Provide background ventilation to habitable rooms min. 8000mm sq permanent free air ventilation per room.

SPACE HEATING.
Extend existing heating system as required. All hot water pipes to be insulated to B.R. L.9.

FLAT ROOF CONSTRUCTION.
12mm white spar chippings bedded on 3 layer roofing felt, 1st layer to be asbestos based on 12mm ext. grade ply on 80mm "Jablite" insulation board. 1200g polythene vapour barrier. 20mm ext. grade ply deck 47 x 175 SC5 grade joists at 400 c/ c with 50 x 5 m.s. strapped at max. 1.5m centres 20mm mortar ply fascia.

LIMITATIONS.
This drawing is limited in the amount of information contained and does not purport to contain a full specification of the works. It is solely for the purpose of obtaining Planning/ Building Regulation approval.
The drawing must not be used as a contract document alone.
All dimensions shall be taken from site from actual work. Under no circumstances shall measurements be scaled from this drawing for construction or ordering purposes. All open dimensions shall be checked by the Builder / Contractor and will be his responsibility from commencement of site works.
The works will not be supervised or inspected on site by C.A.D. or any representative thereof. It is the client or their appointed agents responsibility to control workmanship, substitution of materials, adherance to specification, variations to contract etc.

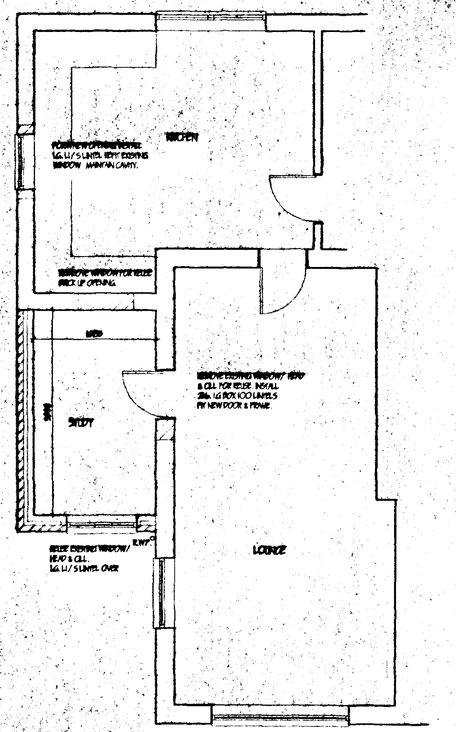
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STANDARDS.
All materials to be new unless otherwise stated and all components and materials etc. to be used fitted and installed etc. in strict accordance with manufacturers instruction and relevant Code of Practice.
Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.

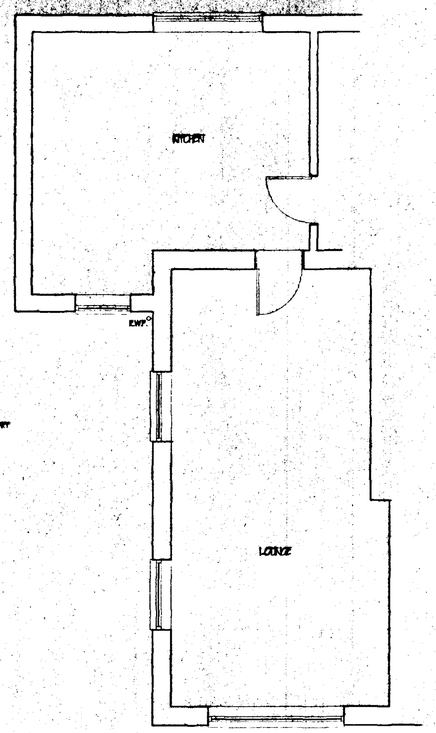
HEALTH & SAFETY.
The Employer / Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health & Safety legislation for Building Sites and Work Places.
The Employer / Client is advised that should the works need to comply with the Construction Design and Management Regulations an independent Planning Supervisor will be required.

SCOPE OF THE WORKS.
The works shall comprise of all that is shown on the drawings and details. Work that may not be specifically shown but may be reasonably informed as necessary to carry out the works shall be deemed to be included.

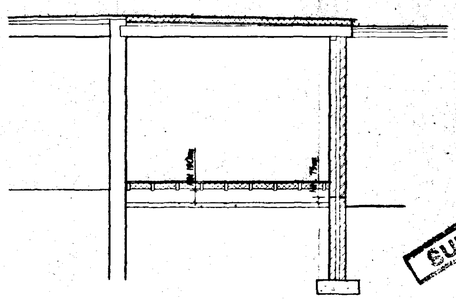
SOUTH HOLLAND DC
HOUSING & PLANNING
14 MAY 1998
Ref: 0490/98



FLOOR PLAN PROPOSED.



FLOOR PLAN EXISTING.



SUPERSEDED

DETERMINED PLAN

revision	date	init.	revision details.

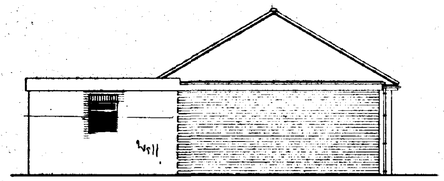
COOPER ARCHITECTURAL DESIGN
BROMAVON, HOCKLESGATE
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax : 01406 423782 Mobile 0410 290892

Client
MR & MRS I. CROWSON.

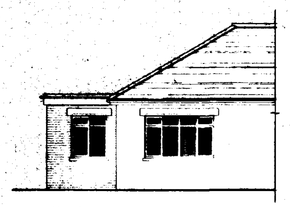
Project.
PROPOSED EXTENSION TO FORM STUDY
'RAYLIN'
COWBIT ROAD,
SPALDING,
LINC'S

Drawing.

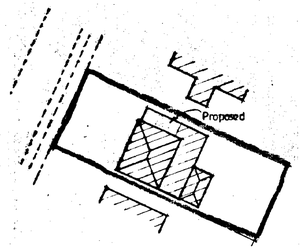
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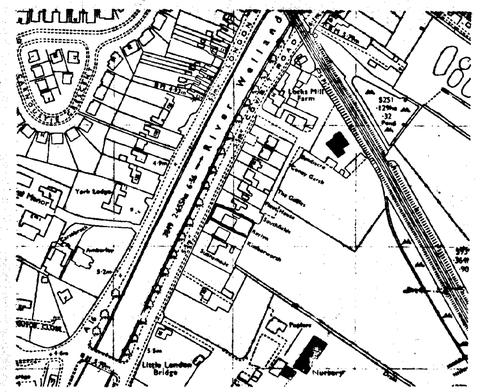
SIDE ELEVATION



FRONT ELEVATION

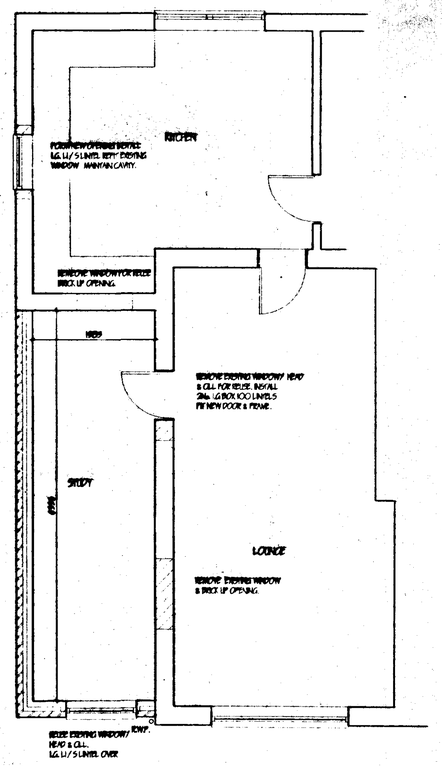


BLOCK PLAN 1:500

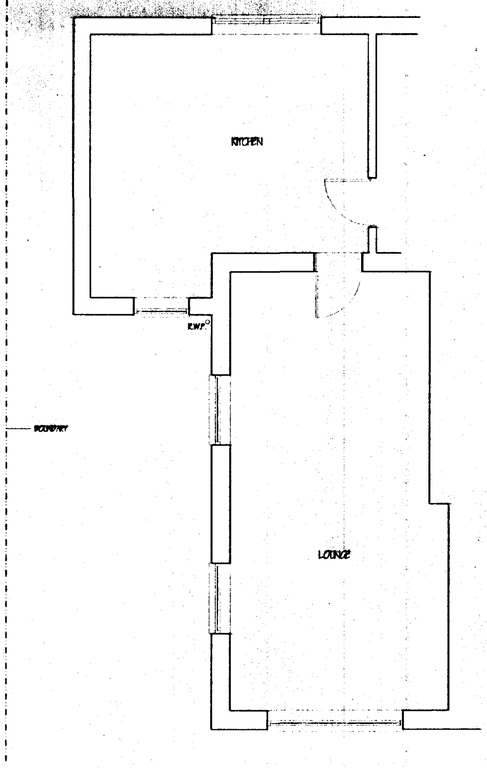


LOCATION PLAN 1:2500

N



FLOOR PLAN PROPOSED.



FLOOR PLAN EXISTING.

CEILINGS.
12.7mm Gyproc "Adplas" plasterboard 2mm skim finish. Provide min. 38 x 38 noggins to all plasterboard edges. All joints to be taped and filled.

WALLING.
265 cavity walling to consist of face brickwork to B.S. 5628:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks 65 cavity; build into cavity Rockwool cavity wall batts insulation boarding in accord. with makers instructions and agrement cert.' No.89/1087. 100mm Tarmac Hemelite solid insulation blocks or similar: Cavity walls tied together using galvanised iron twist ties set 900 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity; Close cavities with "Thermabate" preformed closer and provide bitumen felt DPC to C.P. 121: Externel walls to have max. "U" value of 0.45 W/ m2 deg. C.: All to receive 10mm 5/1 C render and 7mm skim To perimeter of walling provide cranked ventilators at 1.0m c/ c.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to B.S. 6073 pt.1 1981: DPC to externel wall contained in accordance with CP 102 min 150 above finished ground level: Weak mix concrete infill to base of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

GROUND FLOOR CONSTRUCTION.
25mm T&G. flooring grade softwood boarding on 47 x 195 SC5 grade joists at 400c/ c: 50 x 9 galv. steel anchor and lateral restraint straps to joist at max. 1.9m c/ c. straps to be run over min. 5No. joists with solid bridging beneath: Provide herring bone strutting min. 38 x 38 at mid span of joists where span exceeds 2.5m: Provide 100mm Jablite 50 between joists. At level shown on section provide 50mm SC5 grade concrete over site on 1200g polythene membrane.

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows: Under 265 cavity walls provide 225 x 700 all GEN.4 mix to B.S. 5928: pt 1991. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should shrinkable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level.

LINTELS.
All lintels to be manufactured by Messrs. I.G. and to be installed in accordance with makers' instructions, and to have min. end bearing of 150mm and at external positions to have cavity tray D.P.C. to C.P. 121: Internal lintels to be I.G. 100 Box type. Lintels in openings to be underlined with 12.7 fireline board or receive 12mm render and skim. Provide Perp-end weep holes and stopends to cavity tray.

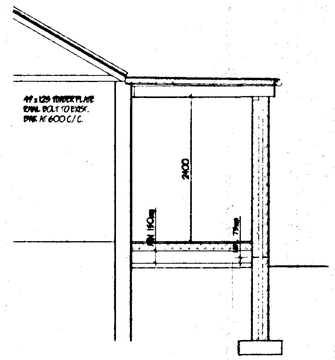
SURFACE WATER DRAINAGE.
115 dia. half round rainwater gutters to 69 dia. rainwater pipes 112.4 dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soakaway min. 5.0m to edge from building.

GLAZING.
Double glaze properly throughout (minimum 12mm air spac to all units) . All glazing between F.F.L. and 800mm high and between F.F.L. and 1500mm high in doors and side lights to be safety glass to B.S. 6206. All windows/ doors to be draught sealed.

VENTILATION.
All windows to have openes lights to give the equivalent of 1/ 20th the floor area. Provide background ventilation to habitable rooms min. 8000mm sq permanent free air ventilation per room.

SPACE HEATING.
Extend existing heating system as required. All hot water pipes to be insulated to B.R. L.S.

FLAT ROOF CONSTRUCTION.
12mm white spar chippings bedded on 9 layer roofing felt, 1st layer to be asbestos based on 12mm ext. grade ply on 80mm "Jablite" insulation board. 1200g polythene vapour barrier: 20mm ext. grade ply deck 47 x 125 SC5 grade joists at 400 c/ c with 50 x 9 m.s. straps at max. 1.5m centres 20mm marine ply fascia.



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SCOPE OF THE WORKS.
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SOUTH HOLLAND DC
HOUSING & PLANNING
30 JUN 1998
Ref: 490/98

AMENDED PLAN
Ref. A/1

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
BRONAVON, HOCKLESGATE,
FLEET, SPALDING, LINC'S PE12 8LF
Tel/Fax : 01406 423782 Mobile 0410 280852

Client
MR & MRS I. CROWSON.

Project.
PROPOSED EXTENSION TO FORM STUDY
'RAYLIN'
COMBAT ROAD,
SPALDING,
LINC'S

Drawing.

Scale	1:50 1:100	Drawing No.	9751 A
Date	MAY '98	Drawn.	J.C.